

# Block Island Wind Farm CVA

Status Update Project Verification

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# Status of BIWF - Overview

## ABS Status Update Topics

- FDR and FIR for 2016 work
- Manufacturing Status
- Installation Status

# FDR and FIR for 2016 Activities

- FDR and FIR documents received for wind turbine, export cable, and substructure
- ABS has issued DCS's to clarify questions or request additional information
- ABS and DWBI are coordinating to close all open items
- FIR will be updated with additional information:
  - 8 weeks prior to start of wind turbine installation
  - 8 weeks prior to start of wind turbine commissioning  
(as agreed between the parties and CRMC)

# Manufacturing Status

## Wind Turbine (GE/Alstom)

- ABS visited assembly facility in St. Nazaire, France March 8-11
  - 5 BIWF units in various stages of completion
  - One PM generator factory acceptance test completed
  - Quality Control is very good.
- ABS will return to witness FAT (Functional Acceptance Test) of generator #3 as well as critical steps of rotor nacelle assembly and test

# Installation Status

## Export Cable

- Installation moved up to begin **April** 2016

## Substructures

- Finish work scheduled May 2016
  - Grouting
  - Sealing tops of legs
  - Final painting
  - Punch list items

## Wind Turbines

- Pre-Assembly of T1-sections ongoing at ProvPort
  - ABS Surveillance Feb 22-23, Mar 19-21
  - QC and EHS observed to follow best practice
- Offshore installation scheduled to begin July 2016
- Commissioning scheduled to begin August 2016

Current ABS 2016 surveillance is planned for one turbine to be observed during construction, installation and commissioning

# Overview – Status of Phases

	2015		2016	
	Substructure	Turbine (Loads and Type Cert)	Turbine (Project specific changes)	Cable and BOP
FDR	Complete*	Complete	Received, closing open items through DCS	Received, closing open items through DCS
FIR	Complete**	Received, closing open items through DCS		Received, closing open items through DCS
Fabrication	Complete	Ongoing		Complete
Installation	Finish work scheduled May 2016	Scheduled July 2016		Scheduled May2016
Operation	Scheduled November 2016			

\* Changes made by Keystone Engineering following initial completion and submittal by DWBI. FDR requires revision submittal to CRMC

\*\* Changes to installation sequence and schedule from 2015 FIR. FIR requires revision submittal to CRMC

# Next Steps

- Complete review of 2016 FDR and FIR
- Witnessing of ongoing activities (France, ProvPort)

